



DECLARATION AND POWER OF ATTORNEY

I, a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **HUMAN TELOMERASE CATALYTIC SUBUNIT: DIAGNOSTIC AND THERAPEUTIC METHODS** the specification of which:

_____ is attached hereto or

X was filed on August 14, 1997 as Application No. 08/912,951 and was amended on _____ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes _ No _
			Yes _ No _

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date



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Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes _ No _
			Yes _ No _

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
08/854,050	May 9, 1997	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/851,843	May 6, 1997	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/846,017	April 25, 1997	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/844,419	April 18, 1997	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/724,643	October 1, 1996	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned

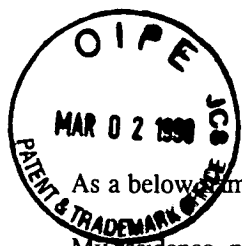
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

William M. Smith, Reg. No. 30,223
Randolph T. Apple, Reg. No. 36,429
Joe Liebeschuetz, Reg. No. 37,505
Greg P. Einhorn, Reg. No. 38,440
Kevin Kaster, Reg. No. 32,704
David Lentini, Reg. No. 33, 944

Send Correspondence to: William M. Smith TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: William M. Smith Reg. No.: 30,223 Telephone: (415) 576-0200
--	--

Full Name of Inventor 1	Last Name Cech	First Name Thomas	Middle Name or Initial R.	
Residence & Citizenship	City Boulder	State/Foreign Country Colorado	Country of Citizenship United States	
Post Office Address	Post Office Address 1545 Rockmont Circle	City Boulder	State/Country Colorado	Zip Code 80303
Full Name of Inventor 2	Last Name Lingner	First Name Joachim	Middle Name or Initial	
Residence & Citizenship	City 1066 Epalinges	State/Foreign Country Switzerland	Country of Citizenship Switzerland	
Post Office Address	Post Office Address PI. Croix-Blanche 25	City 1066 Epalinges	State/Country Switzerland	Zip Code 1066

Full Name of Inventor 3	Last Name Nakamura	First Name Toru	Middle Name or Initial	
Residence & Citizenship	City Boulder	State/Foreign Country Colorado	Country of Citizenship Japan	
Post Office Address	Post Office Address 4940 Thunderbird Circle #204	City Boulder	State/Country Colorado	Zip Code 80303
Full Name of Inventor 4	Last Name Chapman	First Name Karen	Middle Name or Initial B.	
Residence & Citizenship	City Sausalito	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 71 Cloud View Road	City Sausalito	State/Country California	Zip Code 94965



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Residence & Citizenship	City 1066 Epalinges	State/Foreign Country Switzerland	Country of Citizenship Switzerland	
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Residence & Citizenship	City Boulder	State/Foreign Country Colorado	Country of Citizenship Japan	
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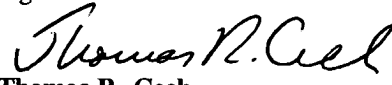
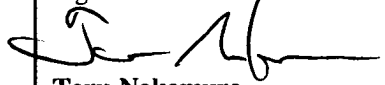
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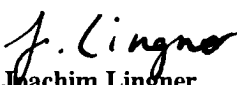
Full Name of Inventor 5	Last Name Morin	First Name Gregg	Middle Name or Initial B.	
Residence & Citizenship	City Palo Alto	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 3407 Janice Way	City Palo Alto	State/Country California	Zip Code 94303
Full Name of Inventor 6	Last Name Harley	First Name Calvin	Middle Name or Initial B.	
Residence & Citizenship	City Palo Alto	State/Foreign Country California	Country of Citizenship Canada	
Post Office Address	Post Office Address 1730 University Avenue	City Palo Alto	State/Country California	Zip Code 94301
Full Name of Inventor 7	Last Name Andrews	First Name William	Middle Name or Initial H.	
Residence & Citizenship	City Richmond	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 6102 Park Avenue	City Richmond	State/Country California	Zip Code 94805

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Thomas R. Cech	Signature of Inventor 2 Joachim Lingner	Signature of Inventor 3  Toru Nakamura
Date Feb. 9, 1998	Date	Date 2/9/98
Signature of Inventor 4 Karen B. Chapman	Signature of Inventor 5 Gregg B. Morin	Signature of Inventor 6 Calvin B. Harley
Date	Date	Date
Signature of Inventor 7 William H. Andrews		
Date		

Full Name of Inventor 5	Last Name Morin	First Name Gregg	Middle Name or Initial B.	
Residence & Citizenship	City Palo Alto	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 3407 Janice Way	City Palo Alto	State/Country California	Zip Code 94303
Full Name of Inventor 6	Last Name Harley	First Name Calvin	Middle Name or Initial B.	
Residence & Citizenship	City Palo Alto	State/Foreign Country California	Country of Citizenship Canada	
Post Office Address	Post Office Address 1730 University Avenue	City Palo Alto	State/Country California	Zip Code 94301
Full Name of Inventor 7	Last Name Andrews	First Name William	Middle Name or Initial H.	
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Signature of Inventor 1 Thomas R. Cech	Signature of Inventor 2  Joachim Lingner	Signature of Inventor 3 Toru Nakamura
Date	Date 1/19/98	Date
Signature of Inventor 4 Karen B. Chapman	Signature of Inventor 5 Gregg B. Morin	Signature of Inventor 6 Calvin B. Harley
Date	Date	Date
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Date		

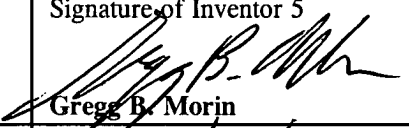
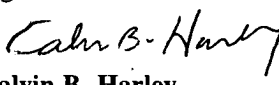
Full Name of Inventor 5 Gregg B. Morin	Last Name Morin	First Name Gregg	Middle Name or Initial B.	
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Full Name of Inventor 7 Andrews	Last Name Andrews	First Name William	Middle Name or Initial H.	
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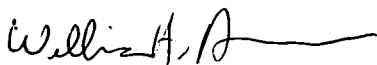
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Date	Date 1/23/98	Date 1/23/98
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Date 1/24/98		



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☒ was filed on August 14, 1997 as Application No. 08/912,951 and was amended on _____ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

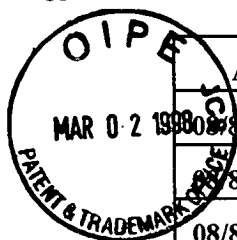
Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes _ No _
			Yes _ No _

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:



Application No.	Date of Filing	Status
08/854,050	May 9, 1997	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/851,843	May 6, 1997	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/846,017	April 25, 1997	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/844,419	April 18, 1997	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
08/724,643	October 1, 1996	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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